## Process for making metal ledge on stencil screen

**Description of Technology:** This invention relates to a process for making improved stencil screens which can be used for screen printing. More particularly, it relates to a process for making a polymeric or metal ledge on one side of the stencil screen.

**Patent Listing:**

1. **US Patent No. 5,322,763**, Issued June 21,1994, "Process for making metal ledge on stencil screen"

http://patft.uspto.gov/netacgi/nph-Parser?Sect2=PTO1&Sect2=HITOFF&p=1&u=%2Fnetahtml%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&d=PALL&RefSrch=yes&Query=PN%2F5322763

**Market Potential**: Screen printing is used in both the graphic arts and electronics industries. The basic concept in screen printing is to force a viscous material, an ink or paste, through apertures of a stencil screen. A stencil screen has solid areas which prevent printing and penetrable areas which allow the deposition of a pattern onto a substrate. The penetrable areas in the stencil screen can be mesh of the same or variable size, open areas with tie lines holding the solid areas together, or any combination of the above. Optionally, the stencil screen can have some open areas. For graphic arts applications the viscous material is usually an ink which is deposited on paper, fabric, plastic, etc. For electronic applications, thick film pastes of conductors, dielectrics and resistors can be screen printed onto appropriate electronic circuit substrates such as alumina or ceramic "green tape."

**Benefits:**

- Prevents material from running together

**Applications:**

- **Improved stencil screens**

*Contact: Ken Anderson*
*Director, Entrepreneurial & Small Business Support, Delaware Economic Development Office (DEDO)*
*Carvel State Building, 820 French Street, Wilmington, DE, 19801*
*Phone: (302) 577-8496, Fax: (302) 577-8499, Email: Kenneth.R.Anderson@state.de.us*